

A 3D cutaway diagram of a particle accelerator complex, showing various components like the main ring, transfer lines, and injection systems in different colors (red, green, blue, yellow, orange).

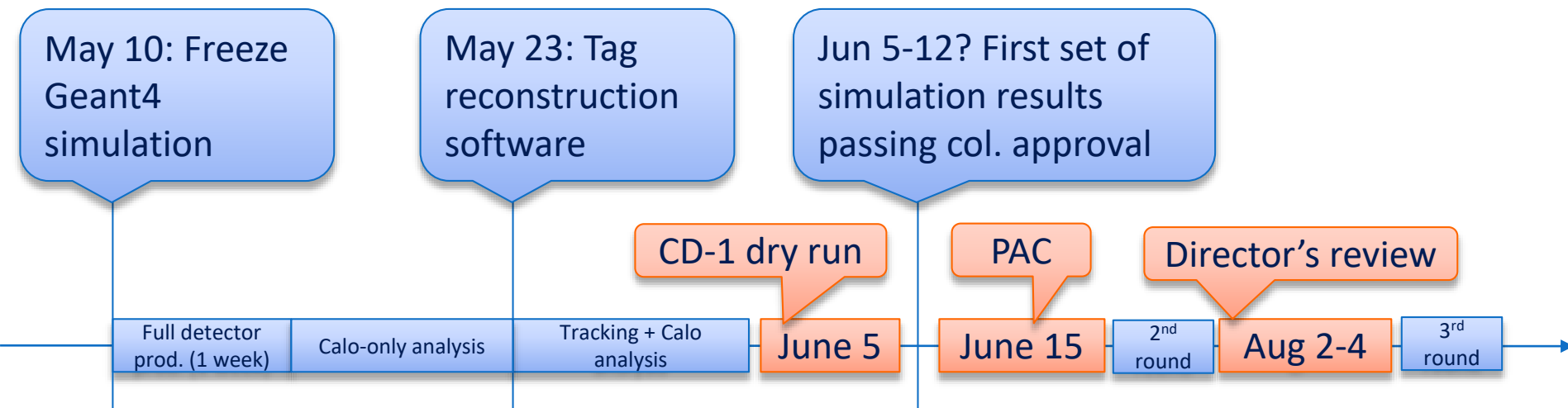
Tentative Production schedule for CD-1 reviews

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Overview for simulation production

- ▶ Why production?
 - Reproducibility: production software are tagged. Run condition are controlled.
 - Optimize CPU and storage: Run Geant4 once. Central storage location for Geant4 output DST files that analyzers shares.
 - High memory queue: 2k-CPU queue for simulations with central central Au+Au multiplicities. Optimize for shared usages.
- ▶ Standard simulation set, as a start :
 - Single particle in full detector
 - HIJING central and mid-central background, for embedding
- ▶ Topics and analysis manpower need to come from collaboration: Topical Groups and Detector Groups.
Sign up pages on wiki?
- ▶ Additional production following the topics
 - E.g. jet, gamma-jet correlations, Upsilon-electrons, and such events embedded



- ▶ Starting the discussion of code-freeze and production schedule for the CD-1 reviews. Collecting sets of target plot for CD-1 review from topical groups.
- ▶ May 10 (?): Expect freeze for Geant4 simulation first, need to confirm with detector groups
 - Major TODO: new tracking setup and macros; EMCal tuning
- ▶ May 10-16: standard Geant4 simulation (single & HIJING), ready for calorimeter analysis. Open for specific production request, e.g. γ -jets.
- ▶ May 17+ : new production set ready for calorimetry analysis
- ▶ May 23 (?): Expect tag for reconstruction software and macros:
 - Major TODO is pattern recognition. Tracking team made major progress recently. 260s for tracking 1000 pion/event recently demonstrated.
- ▶ May 24+ : ready for tracking + calorimetry analysis
- ▶ June collaboration meeting (?): first set of results approval
- ▶ 2nd round of production + analysis after CD-1 dry run